CITY OF HENDERSON
240 Water Street
P. O. Box 95050
Henderson, NV 89009

March 10, 2004

Mr. Scott Smale
Bureau of Corrective Actions, Brownfields Program
Nevada Division of Environmental Protection
333 West Nye Lane
Carson City, NV 89706-0851

Re: Brownfields Funding Application for the City of Henderson Former Police Department Firing Range, Henderson, Nevada

Dear Scott:

The City of Henderson is pleased to present to you an application for assessment and cleanup assistance through the State of Nevada Brownfields Program. The City of Henderson is requesting technical assistance in assessing and remediating a 4.5-acre property formerly used as a firing range for police officer training. The firing range has not been in use for approximately four years.

The City of Henderson has experienced unprecedented growth over the last decade, which has placed increasing strain on the City's support services and ability to provide quality services to its residents. One of the hardest-hit departments within the City is the police department. Despite a constantly decreasing officer to resident ratio and increasing demand for their services, the police department continually strives to maintain an excellent level of service for our community.

A limited amount of soil sampling has been conducted at the former range site. The results of the sampling indicate that additional assessment and some remediation will be necessary in order to make the site usable for other purposes now that it is no longer used as a firing range. The police department would like to use the property for K-9 and SWAT training operations. Currently, the department has no facilities at which they can conduct this type of training.

Thank you for your consideration of this application. We look forward to partnering with you on this exciting project.

Sincerely,

Brenda Pohlmann
Environmental Programs Manager

BP:ll:162.04.03.10
cc: Joe Kurian, Police Department

State of Nevada
Division of Environmental Protection
Brownfields Funding Application

Please complete the following form with the most accurate information available to you. Along with this form you should attach the following information: a map showing the project location, any completed assessment work previously undertaken at the site (for cleanup applications, a copy of the assessment work does not need to be attached if the assessment was conducted under a previous State or Federal brownfields funding award), individual parcel information for multi-parcel projects, and any information about the project which would help the applicant reviewer understand the redevelopment project being proposed.

When completed, mail the application and attached information to
Nevada Division of Environmental Protection, Brownfields Program
333 W Nye Lane
Carson City, NV 89706

For any help in preparing this application or any general Brownfields questions, please feel free to call (775) 687-9368 and ask for the Brownfields Program.

A. Applicant Information

1) Project Title: City of Henderson Former Police Department Firing Range

2) Are you seeking assistance with assessment or cleanup work for your project?

Assessment: ☒ Cleanup: ☒

3) Does your project involve potential petroleum contamination or hazardous substances?

Petroleum Contamination: ☐ Hazardous Substances: ☒

4) Agency Applying for Brownfields Funding: City of Henderson

5) Project Contact Name and Title: Brenda Pohlmann, Environmental Programs Manager

6) Project Contact's Address: 240 Water Street
PO Box 95050
Henderson, NV 89009-5050

7) Project Contact's Phone: 702-267-1306

B. Site Information (for multi-parcel properties, attach a separate sheet detailing the parcel name, assessor's parcel number, address, acreage, current use, and owner for each individual parcel; indicate for questions 8-15 below that a separate sheet has been attached.)

8) Current Site Name: Former Police Department Firing Range

9) Site Street Address: 390 Athens Avenue
Henderson, NV

10) Current Zoning: Public/Semipublic (PS) 11) Site Acreage: 3.2 Acres

12) Assessor's Parcel Number: 161-36-801-001 (total parcel is approximately 99 acres)

13) Latitude: (If readily available) 36° 00' 27" N Longitude: 114° 57' 56" W

14) Please attach a map showing the location of the subject site. For multiple-parcel sites, make sure that the map clearly shows the boundaries of each separate parcel.

15) Please briefly discuss the current ownership of the site, specifically detailing who the current owner of the site is, when they acquired the site, and how the site was acquired (i.e. tax foreclosure, eminent domain, purchase, etc.). If you as the applying agency are not the current owner of the property, discuss how the current owner is involved in the project.

The former firing range is an approximately 4.5 acre piece of land located within a 99.5-acre parcel owned by the City of Henderson. The property was acquired in 1976 and used by the Police Department as a small-arms firing range for training City of Henderson police officers. The eastern portion of the primary impact berm and the east lateral berm were constructed in the 1970's. The western portion of the primary impact berm and the west lateral berm were constructed in the 1980's to further contain the range activities. Use of the site as a firing range ceased approximately 4 years ago.

16) Using the space provided below, provide a brief description of the current site usage, making particular note of any site uses which may either have caused or contributed to site contamination issues.

Expansion of the City's wastewater treatment operations in response to rapid growth in the area, as well as establishment of the City of Henderson's Bird Viewing Preserve, resulted in encroachment on the firing range that placed City employees and members of the public in dangerous proximity to the range. As a result, the range was closed down approximately 4 years ago as a safety precaution. There is a chain-link fence surrounding the property that is kept locked at all times. Only authorized police department personnel have keys to access the property.

17) With the information available to you, what were the past property uses which may have caused or contributed to current site contamination issues.

The City of Henderson Police Department used the site as a small-arms firing range. As a result, the primary impact berm and portion of the lateral berms contain spent ammunition and fragmented bullets containing lead. In addition, there are bullets and casings located on the range floor which may also contain lead.

18) Please disclose and discuss any environmental regulatory involvement or enforcement actions which have occurred at the site.

The City of Henderson hired an environmental consulting firm, Converse Consultants, to conduct limited soil sampling to determine if lead from spent ammunition and bullet fragments had leached into the firing range berm soils. Soil samples from varying depths within the berms were collected and analyzed for total lead and TCLP. Of these samples, 10 exceeded EPA's industrial lead PRG of 750 mg/kg. Of the four TCLP samples that were analyzed, two exceeded the TCLP limit of 5 parts per million (ppm). The results of the sampling were reported to NDEP and a Request for Release/Spill Information was received from Ms. Sara Arav-Piper on April 25, 2003. The attached characterization report "Characterization of Range Berm for Lead, Former Henderson Police Department Shooting Berm Henderson, Nevada" dated June 10, 2003 was submitted to Ms. Arav-Piper in response. The NDEP has requested additional information on the site, including a complete assessment and remediation plan, however the police department has no funding available to complete these studies.

19) Please attach any documents for any environmental assessments which may have been conducted previously for the site. If you are applying for cleanup funds, and the assessment work was conducted through a previous Federal or State Brownfields grant, you do not need to attach a copy of that assessment.

C. Project Information (The information provided in the following fields will be used by the NDEP Brownfields Program to prioritize project funding and rank competing projects. The Brownfields Program currently makes every effort to fund each eligible project; however, where several projects are competing for limited funding, we will use information regarding the planned redevelopment project, the benefits to the community, and the amount of community involvement to prioritize our funding.)

20) In the space provided below, please provide information regarding the anticipated future re-use of the property, specifically highlighting how this redevelopment project will benefit the affected community (i.e. job creation, park and greenspace creation, improved access to services, etc.)

The City of Henderson Police Department's Special Enforcement Bureau lacks facilities to conduct K-9 Unit and SWAT training for their employees. Although the need has been well documented, financial support for them has not been available. In 2000, the City attempted to pass a bond that would raise the funds necessary for the building of a police training facility and the hiring of additional officers. The bond issue did not pass, however, and the police department has struggled to maintain its high standard of service while the community has continued growing at unprecedented rates. Remediation of this property would provide the police department a location to conduct much-needed training exercises that are imperative if the department is to establish and maintain a well-trained team of officers.

If adequate funding can be acquired in the future, the City also intends to build a full-scale training facility at this location that will include an indoor firing range. Currently, the department uses a firing range located in Boulder City for training its officers. In addition to the high costs associated with using this facility, the distance to this facility takes officers off of the street for a long period of time while they commute to Boulder City.

21) Describe how this project fits in with community-wide revitalization or master plans previously developed by the community. Feel free to attach to your application any planning documents which can help demonstrate the redevelopment vision and strategic planning being undertaken by the community.

Although this project is not part of a community-wide revitalization, it will provide a much-needed service to the public by providing the City's police department a location where training of officers can take place.

Support of the City's police force is consistent with the City's Vision and Strategic Priorities adopted as part of the strategic plan by the Henderson City Council. The council adopted the following Vision Statement: "We envision our city as a fully integrated, progressive and engaged community of citizens and neighborhoods enjoying premier amenities, services and opportunities." One of the Strategic Priorities identified in the plan is "Provide safe and strong neighborhoods and maintain neighborhood integrity."

22) How has the community been involved, or planned to be involved, in the potential cleanup/redevelopment activities at this site?

It is not anticipated that the community would be involved in the cleanup of this property.

D. Applicant's Signature (A representative of the applying agency should sign the application; it does not need to be the project contact as listed in the first section, but it should be someone with the authority to sign on the agency's behalf.)

Signature: Brenda Pohlmann Date: 03/10/04

Name: Brenda Pohlmann Title: Environmental Programs Manager

E. List of Attachments (Please provide a list of attachments which are being submitted with the application. This will ensure that all relevant information is reviewed by the NDEP Brownfields Program staff.

Aerial Photograph of Site
Characterization of Firing Range Berm for Lead – Former Henderson Police Department Shooting Berm, Henderson, Nevada; prepared by Converse Consultants, June 10, 2003

Fall 2003 Aerial Photograph Showing City of Henderson Former Firing Range Facility

Converse Consultants

Over 50 Years of Dedication in Geotechnical Engineering and Environmental Sciences

CHARACTERIZATION OF FIRING RANGE BERM FOR LEAD

FORMER HENDERSON POLICE DEPARTMENT SHOOTING BERM
HENDERSON, NEVADA

Prepared for:

City of Henderson
240 Water Street, Suite 210
Henderson, NV

Converse Project No. 02-43341-01

June 10, 2003

18/41CG

731 Pilot Road, Suite H, Las Vegas, Nevada 89119-4429
Telephone: (702) 269-8336 ♦ Facsimile: (702) 269-8353 ♦ e-mail: lasvegas@converseconsultants.com

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Appendix A –

1.0 Introduction

On December 4 and 23, 2002, February 14, 2003, April 10, 2003, and June 6, 2003 Converse Consultants (Converse) collected 39 soil samples from the City of Henderson Police Department's former firing range berm in Henderson, Nevada. This assessment was performed in an effort to determine if the berm material is suitable for use in the construction of a road through the area. Our services were performed in accordance with our proposal, dated October 4, 2002, and authorized on October 16, 2002 by Mr. Kurt Segler.

2.0 Credentials

Douglas R. Bell, a Converse Certified Environmental Manager (CEM) and EPA Certified Lead Inspector and Risk Assessor interpreted the analytical data and prepared this report. Converse field technicians Andrew Kirk and Eric Taub performed the survey with the assistance of Mr. John Letkeman, a Converse Senior Air Quality Manager.

3.0 Scope of Work

The purpose of our work was to determine the presence and extent of lead containing soil in the berm in excess of the Environmental Protection Agency's (EPA) Preliminary Remediation Goal (PRG) for industrial sites. It is our understanding that this facility is now closed and that the berm material may be contaminated with lead from small arms fire generated during police shooting exercises. Drawing No. 1 shows the location of the firing range in relation to the Las Vegas Valley. This assessment was performed to determine what portion of the berm material is suitable for use in the construction of a road, which is slated to be constructed over the west berm and a portion on the north berm.

The soil samples collected during this assessment followed protocols outlined in the Interstate Technology Regulatory Council's (ITRC)

Characterization and Remediation of Soils at Small Arms Firing Ranges (December 2002) and the U.S. Department of Housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing.*

Inhalation and ingestion of lead containing dusts and fumes are the major routes of lead exposure. Once absorbed, lead accumulates in the blood, soft tissues, and bones. Bioaccumulative toxic effects include damage to the kidneys, gastrointestinal tract, central nervous system, reproductive system, and blood forming organs.

4.0 Observations

Prior to the collection of soil samples, Converse personnel performed a walk through of the berm and surrounding area and made the following observations and assumptions prior to sampling. For purposes of this report, the north/south trending berm is designated the west berm, and the east/west trending berm is designated the north berm.

- Based on the apparent locations of the targets in relation to the firing line, small arms fire most probably impacted the north and west berms from 2 to 6 vertical feet.

- Based on the location of the firing line in relation to the west berm, the west berm most probably was not utilized as a backstop to the same extent as the north berm.

- Visible debris including some bullets and casings were observed on the ground between the firing line and the berm.

During sample collection, the Converse technicians observed whole bullets, or bullet fragments in many of the soil samples collected from the north and west berms. Bullets and fragments were screened from the soil samples prior to their analysis. The Converse technicians also indicated that large cobbles encountered in the berm made the collec-

tion of hand-augered soil samples deeper than 24-inches impossible at most sample points.

5.0 Methodology

Thirty-nine (39) soil samples where collected from locations on the interior face of the berm. Based on previous observations, the majority of the soil samples for this assessment were collected from the north and west berm between 2 and 6 vertical feet. Once sample locations were chosen, soil samples were collected from surface soils and ranged through depths of approximately 29 inches. Soil samples were collected using a 3-inch diameter hand auger, which was decontaminated with a water and tri-sodium phosphate (TSP) solution prior to each use.

Once collected, soil samples were screened using a No.16 sieve to remove whole bullets and bullet fragments. The amount of bullets and fragments in several of the samples (in grams) was then determined using gravimetric analysis. The screened samples were then submitted to an analytical laboratory accompanied by chain of custody documentation.

6.0 Laboratory Testing

NEL Laboratories of Las Vegas, Nevada and Associated Laboratories of Orange California performed the sample analysis for total lead using EPA Method 6010B. Soil samples with high lead concentrations were further characterized for waste disposal using EPA Method 1311/6010B (Toxicity Characteristics Leaching Procedure).

7.0 Findings

Soil samples were collected on December 4 and 23, 2002, February 14, 2003, April 10, 2003, and June 6, 2003 from the City of Henderson Police Department's former firing range berm in Henderson, Nevada.

In several instances, soil samples were collected from pre-existing sample location at greater depths to help determine the depth/extent of lead contamination after initial surface samples came back with elevated total lead concentrations. These sample locations can be distinguished by a letter designation following the sample number (i.e., HD-3, HD-3a)

The sample numbers, approximate depth of each sample, vertical height of each sample location on the berm, and analytical results are presented in Table 1 below. Drawing No. 2 illustrates approximate sample locations on the berm.

Table 1: Total Lead Results for Firing Range Berm

Sample Number	Date Sampled	Sample Depth (Inches)	Sample Height (Feet)	Result (mg/Kg)
HD-1	12/4/02	2-8	3	330
HD-2	12/4/02	6-12	3	20
HD-3	12/4/02	0-6	3	1,700
HD-3a	6/6/03	18-24	3	5,400
HD-4	12/4/02	0-6	1.5	15
HD-5	12/4/02	9-15	1	13
HD-6	12/4/02	9-15	3	6,500
HD-6a	6/6/03	23-29	3	2,200
HPD-101	12/23/02	0-6	6	15
HPD-102	12/23/02	0-6	6	12
HPD-103	12/23/02	0-6	6	10
HPD-104	12/23/02	0-6	6	15

Sample Number	Date Sampled	Sample Depth (Inches)	Sample Height (Feet)	Result (mg/Kg)
HPD-105	12/23/02	6-12	6	15
HPD-106	12/23/02	0-6	3	14
HPD-107	12/23/02	6-12	3	12
SP-1a	2/14/03	0-6	2	1,200
SP-1b*	2/14/03	6-12	2	1,900
SP-1c	6/6/03	18-24	2	2,700
SP-2a	2/14/03	0-6	4	360
SP-2b	2/14/03	6-12	4	31
SP-3a	2/14/03	0-6	4	40
SP-3b	2/14/03	6-12	4	21
SP-4a	2/14/03	0-6	2	490
SP-4b	2/14/03	6-12	2	81
SP-5a	2/14/03	0-6	2	16
SP-5b	2/14/03	6-12	2	12
SP-6a	2/14/03	0-6	4	15
SP-6b	2/14/03	6-12	4	15
SP-7a	2/14/03	0-6	2	24
SP-7b	2/14/03	6-12	2	16
SP-8a	2/14/03	0-6	4	16
SP-8b	2/14/03	6-12	4	14

Sample Number	Date Sampled	Sample Depth (Inches)	Sample Height (Feet)	Result (mg/Kg)
SP-9a*	2/14/03	6-12	3	NA
SP-9b	2/14/03	18-24	3	3,400
PB-1*	4/10/03	6-12	5	2,360
PB-1a	6/6/03	23-29	5	73
PB-2*	4/10/03	6-12	4	13,300
PB-3	4/10/03	0-6	10	23
PB-4	4/10/03	0-6	12	28

All results are expressed in milligrams per killigram (mg/Kg)
* Samples were also characterized for waste disposal
Results are presented in Table 2 below.
NA Sample was not analyzed for Total Lead

Four of the previous total lead samples were also analyzed for waste characterization using EPA Method 1311/6010B (Toxicity Characteristics Leaching Procedure). The sample numbers, depth of each sample, height of each sample location on the firing range berm, and analytical results are presented in Table 2 below.

Table 2: TCLP Results For Firing Range Berm

Sample Number	Date Sampled	Sample Depth (Inches)	Sample Height (Feet)	Result (ppm)
SP-1b	2/14/03	6-12	2	1.1
SP-9a	2/14/03	6-12	3	44
PB-1	4/10/03	6-12	5	0.349
PB-2	4/10/03	6-12	4	6.98

All results are expressed in parts per million (ppm)

8.0 Conclusions and Recommendations

The standard used to identify areas of the shooting berm, which contain elevated concentrations of lead, was the EPA's PRG for lead soil at industrial sites. This regulatory limit is 750 mg/kg. Based on the laboratory reports and this information, 10 of the 39 soil samples collected during this assessment exceeded this standard. In total, these samples represent 5 locations on the north berm. They are HD-3 & HD-3a, HD-6 & HD-6a, SP-1a, SP-1b & SP-1c, SP-9b and PB-2. The collection of hand augered soil samples from the north berm at depths greater than 29-inches was not possible because of large cobbles in the berm. Soil results above 750 mg/kg were not encountered on the west berm during this assessment.

Of the four soil samples, which were characterized for waste disposal, two exceeded the U.S EPA's TCLP limit for lead of 5ppm. Those samples were SP-9a and PB-2 located on the north berm. Please refer to Drawing No. 2 for their locations.

Based on this information Converse has the following recommendations:

- Soil from the west berm may be moved and redistributed on-site or disposed of as non-hazardous waste off site.

- Soil from the west berm should be sufficiently wet prior to disturbance in order to inhibit the generation of airborne lead containing dust. Personnel who are involved with disturbing soil that contains any concentration of lead should be monitored for exposure to airborne lead dust.

- The portion of the north berm, which is to be removed as part of the subject road construction, should be sampled at depths greater than 29-inches at the time excavation activities begin. Excavated soils should be segregated, sampled and analyzed for total lead based on the depths from which they were obtained. Segregated soils which exceed the EPA PRG for lead containing soils from industrial sites should then be characterized for waste disposal using EPA Method 1311/6010B (TCLP) and disposed accordingly.

9.0 Closure and Limitations

This report is for the use of the City of Henderson as it applies to the subject site. Converse is not responsible for any claims or damages associated with interpretation of available information. This assessment should not be regarded as a guarantee that no further contamination is present at the property. In addition, lead in soil is not usually distributed uniformly throughout a material and as such, Converse cannot guarantee that all areas sampled are exactly as represented throughout the berms. In the event that changes in the nature of the berms occur, or additional relevant information about the berms is brought to our attention, the recommendations contained in this assessment may not be valid unless these changes and additional relevant information are reviewed and the recommendations of this assessment are modified or verified in writing.

Thank you for the opportunity to be of service. Should you have any questions or comments regarding this report, please do not hesitate to call.

Respectfully submitted,

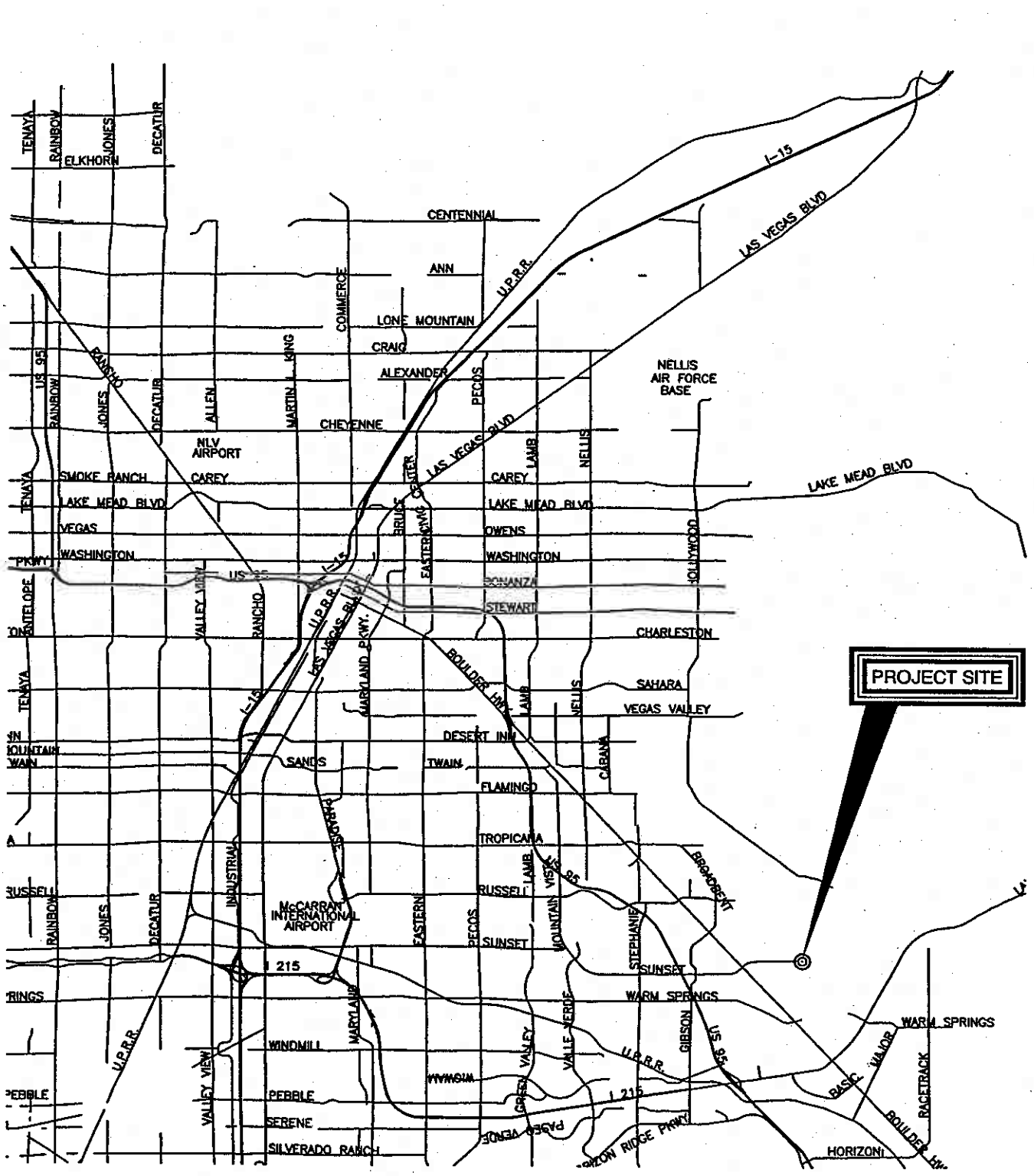
CONVERSE CONSULTANTS

Douglas R. Bell, CEM
Project Manager

DRB:gm
18/41CG

Encl: Drawing No. 1
Drawing No. 2
Laboratory Reports

Dist: 2/Addressee



LAS VEGAS VICINITY

HENDERSON POLICE DEPARTMENT
Firing Range
Henderson, Nevada

CONVERSE CONSULTANTS

Over 50 Years of Dedication in Engineering and Environmental Sciences

Scale	1" = 15,000'
Date	6/10/03
Drafted By	ESB
Checked By	DRB
Approved By	DRB
File No.	34101V01
Project No.	02-43341-01
Drawing No.	1

Appendix A

NEL LABORATORIES INC.

4208 ARCATA WAY, SUITE A
N. LAS VEGAS, NV 89030
PHONE: (702) 657-1010
FAX: (702) 657-1577

FACSIMILE TRANSMITTAL SHEET

TO: Andrea	FROM: Andrea
COMPANY: Conexe	DATE: 2-26-03
FAX NUMBER: 269-8353	TOTAL NO. OF PAGES INCLUDING COVER: 24
PHONE NUMBER: 269-8350	SENDER'S REFERENCE NUMBER: 10302175
RE:	YOUR REFERENCE NUMBER:

☐ URGENT ☑ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NEL LABORATORIES

Corporate Headquarters
6490 S. McCarran Blvd. # 0-30
Reno, NV 89509
Phone: 775.348.2522
Fax: 775.348.2546

Las Vegas Laboratory
4208 Arcata Way, Suite A
Las Vegas, NV 89030
Phone: 702.657.1010
Fax: 702.657.1577

Andrea Moericke
Converse Consultants
731 Pilot Road, Ste. H
Las Vegas, NV 89119

TEL: (702) 263-7600

RE Project: **02-43341-01** Order No.: **L0302175**

Dear Andrea Moericke:

NEL Laboratories, Las Vegas received 18 samples on 2/18/03 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications unless noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Rod T. Miller
Laboratory Director

2/26/03
Date

Certifications:

Arizona	AZ0518
California	2002
Idaho	Certified
Montana	Certified
Nevada	NV052
New Mexico	Certified

NEL LABORATORIES

NEL Laboratories, Las Vegas **Date:** *26-Feb-03*

CLIENT: Converse Consultants
Project: 02-43341-01
Lab Order: L0302175

CASE NARRATIVE

Attached are the analytical results for samples in support of the above referenced project.

The samples submitted for this project were not sampled by NEL. Should you have any questions or comments, please feel free to contact our Client Services Department.

Analytical Comments: None.

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP1A
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-001A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	1200	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: *26-Feb-03*

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP1B
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-002A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	1900	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
Date: *26-Feb-03*

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID (TCLP)

CLIENT ID: SP1B
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-002B

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Cadmium	ND	mg/L	0.0050	1	SW 6010B-To	02/20/03	02/21/03	VVG-LV
Chromium	ND	mg/L	0.010	1	SW 6010B-To	02/20/03	02/21/03	VVG-LV
Lead	1.1	mg/L	0.050	1	SW 6010B-To	02/20/03	02/21/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: *26-Feb-03*

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP2A
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-003A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	360	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: *26-Feb-03*

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP2B
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-004A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	31	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
Date: *26-Feb-03*

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

NEL LABORATORIES

CLIENT:	Converse Consultants	**CLIENT ID:**	SP3A
PROJECT ID:	02-43341-01	**DATE SAMPLED:**	2/14/03
PROJECT #:	Henderson P.D.	**NEL SAMPLE ID:**	L0302175-005A
MATRIX:	SOLID		

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	40	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP3B
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-006A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	21	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: *26-Feb-03*

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP4A
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-007A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	490	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: *26-Feb-03*

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP4B
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-008A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	81	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
Date: *26-Feb-03*

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP5A
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-009A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	16	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: *26-Feb-03*

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP5B
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-010A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	12	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: *26-Feb-03*

NEL LABORATORIES

CLIENT:	Converse Consultants	**CLIENT ID:**	**SP6A**
PROJECT ID:	02-43341-01	**DATE SAMPLED:**	2/14/03
PROJECT #:	Henderson P.D.	**NEL SAMPLE ID:**	L0302175-011A
MATRIX:	SOLID		

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	15	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP6B
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-012A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	15	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: *26-Feb-03*

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP7A
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-013A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	24	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
R - Value above quantitation range

Date: *26-Feb-03*

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP7B
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-014A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	16	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVO-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

NEL LABORATORIES

CLIENT:	Converse Consultants	**CLIENT ID:**	SP8A
PROJECT ID:	02-43341-01	**DATE SAMPLED:**	2/14/03
PROJECT #:	Henderson P.D.	**NEL SAMPLE ID:**	L0302175-015A
MATRIX:	SOLID		

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	16	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit

DF - Dilution Factor

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

Date: *26-Feb-03*

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP8B
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-016A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	14	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: *26-Feb-03*

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID (TCLP)

CLIENT ID: SP9A
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-017A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Cadmium	ND	mg/L	0.0050	1	SW 6010B-To	02/20/03	02/21/03	VVG-LV
Chromium	ND	mg/L	0.010	1	SW 6010B-To	02/20/03	02/21/03	VVG-LV
Lead	44	mg/L	0.050	1	SW 6010B-To	02/20/03	02/21/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: *26-Feb-03*

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: 02-43341-01
PROJECT #: Henderson P.D.
MATRIX: SOLID

CLIENT ID: SP9B
DATE SAMPLED: 2/14/03
NEL SAMPLE ID: L0302175-018A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	3400	mg/Kg	0.050	1	SW 6010B	02/24/03	02/25/03	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
Date: *26-Feb-03*

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

2/25 L0302175

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

CHAIN OF CUSTODY FORM

Page 1 of 2

Client Name/Address: Henderson P.D.

Project/PO Number: 02-43341-01

Project Manager: John L.

Phone Number:

Sampler: Eric Taub

Fax Number:

	Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	Analysis Required: Total Lead	Analysis Required: Lead by TCLP CVAA	Special Instructions
01	SP 1a	soil	4oz	1	2-14/10:25		X		
02	SP 1b	"	"	"	10:30		X	X	
03	SP 2a	"	"	"	10:25		X	X	
04	SP 2b	"	"	"	10:37		X		
05	SP 3a	"	"	"	10:42		X		
06	SP 3b	"	"	"	10:45		X		
07	SP 4a	"	"	"	10:47		X		
08	SP 4b	"	"	"	10:49		X		
09	SP 5a	"	"	"	10:53		X		
10	SP 5b	"	"	"	10:56		X		
11	SP 6a	"	"	"	10:59		X		
12	SP 6b	"	"	"	11:01		X		
13	SP 7a	"	"	"	11:03		X		
14	SP 7b	"	"	"	11:06		X		

Relinquished By:	Date/Time:	Received By:	Date/Time:
E. Taub	2-18-03/1005		2-18-03/1005
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☒ Normal

Sample Integrity: (Check)
- ☐ Intact
- ☐ On ice

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

4/25 C0302175

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax (702) 269-8353

CHAIN OF CUSTODY FORM

Page 2 of 2

Client Name/Address:	Project/PO Number:
Henderson P.d	62-43341-01
Project Manager: John L	Phone Number:
Sampler: Eric Tabb	Fax Number:

	Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	Analysis Required: Total Lead	Analysis Required: Leach Extn (TCLP)	Special Instructions
15	SP 8c	Soil	4oz	1	2-14/ 11:05		X		
16	SP 8b	"	"	"	11:17		X		
17	SP 9a	"	"	"	11:20			X	
18	SP 9b	"	"	"	11:26		X		

Relinquished By: E Tabb 18	Date/Time: 2-14-02/1005	Received By:	Date/Time: 2-18-02/1005
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☒ Normal

Sample Integrity: (Check)
- ☐ Intact
- ☐ On Ice

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT Converse Consultants (10274)
ATTN: John Letkeman
731 Pilot Road
Suite H
Las Vegas, NV 89119

LAB REQUEST 109177
REPORTED 04/18/2003
RECEIVED 04/11/2003

PROJECT #02-43341-01
Henderson

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
424148	PB-1
424149	PB-2
424150	PB-3
424151	PB-4
424152	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

rder #: 424148 Clien mple ID: PB-1
Matrix: SOLID
Date Sampled: 04/10/2003
me Sampled: 13:45

Analyte	Result	DLR	Units	Date/Analyst
1311/6010B TCLP (ICP Metals)				
Lead TCLP	0.349	0.05	mg/L	04/15/03 KN
6010B ICP Metals - Solid/Liquid				
Lead	2360	0.5	mg/Kg	04/12/03 KN

Order #: 424149 Client Sample ID: PB-2
Matrix: SOLID
ate Sampled: 04/10/2003
me Sampled: 13:55

Analyte	Result	DLR	Units	Date/Analyst
1311/6010B TCLP (ICP Metals)				
Lead TCLP	6.98	0.05	mg/L	04/15/03 KN
)10B ICP Metals - Solid/Liquid				
Lead	13300	0.5	mg/Kg	04/12/03 KN

Order #: 424150 Client Sample ID: PB-3
Matrix: SOLID
ate Sampled: 04/10/2003
ime Sampled: 14:10

Analyte	Result	DLR	Units	Date/Analyst
)10B ICP Metals - Solid/Liquid				
Lead	23.1	0.5	mg/Kg	04/12/03 KN

Order #: 424151 Client Sample ID: PB-4
Matrix: SOLID
ate Sampled: 04/10/2003
ime Sampled: 14:20

Analyte	Result	DLR	Units	Date/Analyst

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

10B ICP Metals - Solid/Liquid

Lead	28.3	0.5	mg/Kg	04/12/03	KN

Order #: 424152 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Analyte	Result	DLR	Units	Date/Analyst	
11/6010B TCLP (ICP Metals)					
Lead TCLP	ND	0.05	mg/L	04/15/03	KN
10B ICP Metals - Solid/Liquid					
Lead	ND	0.50	mg/Kg	04/12/03	KN

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

109177

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

CHAIN OF CUSTODY FORM

Client Name/Address: Henderson
Project/PO Number: 02-43341-01
Project Manager: John Letkeman
Phone Number:
Sampler: Andrew Kirk
Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	Total Lead method 6010									Special Instructions
PB-1	Soil	8oz	1	4/10/03 1345	—	X									Any sample over
PB-2	↓	↓	1	4/10/03 1355	—	X									750 mg/kg run
PB-3	↓	↓	1	4/10/03 1410	—	X									TCLP
PB-4	↓	↓	1	4/10/03 1420	—	X									

Relinquished By:	Date/Time:	Received By:	Date/Time:
Andrew Kirk	4/10/03 1530	[signature]	4/10/03
Dave Bindley		[signature]	4/11/03 10:25

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☒ 48 hours (AK)
- ☐ 72 hours
- ☐ 5 days
- ☒ Normal

Sample Integrity: (Check)
- ☐ Intact
- ☒ On ice

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: Converse Con. Project: _____

Date Cooler Received: 4/11/03 Date Cooler Opened: 4/11/03

Was cooler scanned for presence of radioactivity ? Yes/No
If yes was radioactivity results above 25 cpm ? Yes/No

Was a shipper's packing slip attached to the cooler ? Yes/No

If the cooler had custody seal(s), were thy signed and intact ? Yes/No/Na

Was the cooler packed with: Ice X Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 2.0 *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C ? Yes/No

If no explain: _____

Were all samples sealed in plastic bags ? Yes/No

Did all samples arrive intact ? If no, indicate below. Yes/No

Were all samples labeled correctly ? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers ? Yes/No

Were any VOA vials received with head space ? Yes/No/Na

Was the correct preservatives used ? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: _____ Date: 4/11/03

SOCIATED LABORATORI

QA REPORT FORM (MS/MSD)

QC Sample: 109177-424148 QC# 041503TCLP1

Matrix: TCLP

Prep. Date: 04/15/03

Analysis Date: 04/15/03

Lab ID#'s in Batch: LR 109177, 109190

REPORTING UNITS = mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
Lead	6010	0.349		1	1.17	1.16	82	81	1

*** = Outside QC limits, due to matrix Interference**
If Sample Result > 4 times Spike Added, then "NC"
ND = "U" - Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

LCS/MB REPORT FORM

LCS Sourde(s) : QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Element	Method	Result	TRUE	%Rec	L.Limit	H.Limit	Method Blank MB	Method Blank ND
Lead	6010	1.92	2	96	80%	120%	0.005	U

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*
L.LIMIT / H.LIMIT = Low / High Control Limits
MB = Method Blank; ND = " U " for Non- Detected

A SOCIATED LABORATOR S

QA REPORT FORM (MS/MSD)

QC Sample: 109177-424148 QC# 041103SO1

Matrix: SOLID

Prep. Date: 04/11/03

Analysis Date: 04/12/03

Lab ID#'s in Batch: LR 109177, 109190, 108646

REPORTING UNITS = mg/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
Lead	6010B	23.1		96	113	111	94	92	2
Arsenic	6010B	4.36		96	99	96	99	95	3

If Sample Result > 4 times Spike Added, then "NC"

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 -125
RPD LIMITS = 20

LCS/MB REPORT FORM

LCS Source(s): QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Element	Method	Result	TRUE	%Rec	L.Limit	H.Limit	Method Blank MB	Method Blank ND
Lead	6010B	190	200	95	80%	120%	0.50	U
Arsenic	6010	202	200	101	80%	120%	0.50	U

*Notes : RESULT = Sample Result; TRUE = True Value; %Rec = 100*Result/True*

L.LIMIT / H.LIMIT = Low / High Control Limits

MB = Method Blank; ND = " U " for Non- Detected

NEL LABORATORIES

Corporate Headquarters
6490 S. McCarran Blvd. # 0-30
Reno, NV 89509
Phone: 775.348.2522
Fax: 775.348.2546

Las Vegas Laboratory
4208 Arcata Way, Suite A
Las Vegas, NV 89030
Phone: 702.657.1010
Fax: 702.657.1577

John Letkeman
Converse Consultants
731 Pilot Road, Ste. H
Las Vegas, NV 89119

TEL: (702) 263-7600

RE Project: **Henderson** Order No.: **L0212366**

Dear John Letkeman:

NEL Laboratories, Las Vegas received 13 samples on 12/24/02 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications unless noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Rod T. Miller
Laboratory Director

1/02/03
Date

Certifications:

Arizona	AZ0518
California	2002
Idaho	Certified
Montana	Certified
Nevada	NV052
New Mexico	Certified

NEL LABORATORIES

NEL Laboratories, Las Vegas Date: *02-Jan-03*

CLIENT: Converse Consultants
Project: Henderson
Lab Order: L0212366

CASE NARRATIVE

Attached are the analytical results for samples in support of the above referenced project.

The samples submitted for this project were not sampled by NEL. Should you have any questions or comments, please feel free to contact our Client Services Department.

Analytical Comments: None.

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: Henderson
PROJECT #: 02-43341-01
MATRIX: SOIL

CLIENT ID: HD-1
DATE SAMPLED: 12/4/02
NEL SAMPLE ID: L0212366-001A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	330	mg/Kg	0.050	1	SW 6010B	12/26/02	12/27/02	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
Date: 02-Jan-03

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: Henderson
PROJECT #: 02-43341-01
MATRIX: SOIL

CLIENT ID: HD-2
DATE SAMPLED: 12/4/02
NEL SAMPLE ID: L0212366-002A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	20	mg/Kg	0.050	1	SW 6010B	12/26/02	12/27/02	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: 02-Jan-03

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: Henderson
PROJECT #: 02-43341-01
MATRIX: SOIL

CLIENT ID: HD-3
DATE SAMPLED: 12/4/02
NEL SAMPLE ID: L0212366-003A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	1700	mg/Kg	0.050	1	SW 6010B	12/26/02	12/27/02	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
Date: *02-Jan-03*

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: Henderson
PROJECT #: 02-43341-01
MATRIX: SOIL

CLIENT ID: HD-4
DATE SAMPLED: 12/4/02
NEL SAMPLE ID: L0212366-004A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	15	mg/Kg	0.050	1	SW 6010B	12/26/02	12/27/02	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
Date: *02-Jan-03*

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: Henderson
PROJECT #: 02-43341-01
MATRIX: SOIL

CLIENT ID: HD-5
DATE SAMPLED: 12/4/02
NEL SAMPLE ID: L0212366-005A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	13	mg/Kg	0.050	1	SW 6010B	12/26/02	12/27/02	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: 02-Jan-03

NEL LABORATORIES

CLIENT:	Converse Consultants	**CLIENT ID:**	HD-6
PROJECT ID:	Henderson	**DATE SAMPLED:**	12/4/02
PROJECT #:	02-43341-01	**NEL SAMPLE ID:**	L0212366-006A
MATRIX:	SOIL		

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	6500	mg/Kg	0.50	10	SW 6010B	12/26/02	12/27/02	VVG-LV

ND - Not Detected at the Reporting Limit

DF - Dilution Factor

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

Date: *02-Jan-03*

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: Henderson
PROJECT #: 02-43341-01
MATRIX: SOIL

CLIENT ID: HPD-101
DATE SAMPLED: 12/23/02
NEL SAMPLE ID: L0212366-007A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	15	mg/Kg	0.050	1	SW 6010B	12/26/02	12/27/02	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
Date: 02-Jan-03

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: Henderson
PROJECT #: 02-43341-01
MATRIX: SOIL

CLIENT ID: HPD-102
DATE SAMPLED: 12/23/02
NEL SAMPLE ID: L0212366-008A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	12	mg/Kg	0.050	1	SW 6010B	12/26/02	12/27/02	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: 02-Jan-03

D-102
'23/02
12366-008A

Date	Analyzed	Analyst
6/02	12/27/02	VVG-LV

CLIENT ID: HPD-103
DATE SAMPLED: 12/23/02
NEL SAMPLE ID: L0212366-009A

ts	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
g	0.050	1	SW 6010B	12/26/02	12/27/02	VVG-LV

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: Henderson
PROJECT #: 02-43341-01
MATRIX: SOIL

CLIENT ID: HPD-104
DATE SAMPLED: 12/23/02
NEL SAMPLE ID: L0212366-010A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	15	mg/Kg	0.050	1	SW 6010B	12/26/02	12/27/02	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: *02-Jan-03*

NEL LABORATORIES

CLIENT:	Converse Consultants	**CLIENT ID:**	HPD-105
PROJECT ID:	Henderson	**DATE SAMPLED:**	12/23/02
PROJECT #:	02-43341-01	**NEL SAMPLE ID:**	L0212366-011A
MATRIX:	SOIL		

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	15	mg/Kg	0.050	1	SW 6010B	12/26/02	12/27/02	VVG-LV

ND - Not Detected at the Reporting Limit

DF - Dilution Factor

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

Date: *02-Jan-03*

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: Henderson
PROJECT #: 02-43341-01
MATRIX: SOIL

CLIENT ID: HPD-106
DATE SAMPLED: 12/23/02
NEL SAMPLE ID: L0212366-012A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	14	mg/Kg	0.050	1	SW 6010B	12/26/02	12/27/02	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor
Date: *02-Jan-03*

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

NEL LABORATORIES

CLIENT: Converse Consultants
PROJECT ID: Henderson
PROJECT #: 02-43341-01
MATRIX: SOIL

CLIENT ID: HPD-107
DATE SAMPLED: 12/23/02
NEL SAMPLE ID: L0212366-013A

Parameter	Result	Units	Reporting Limit	DF	Method	Prep Date	Analyzed	Analyst
Lead	12	mg/Kg	0.050	1	SW 6010B	12/26/02	12/27/02	VVG-LV

ND - Not Detected at the Reporting Limit
DF - Dilution Factor

B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range

Date: *02-Jan-03*

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

1/2

L0212366

CHAIN OF CUSTODY FORM

Page 1 of 1

Client Name/Address: Anderson	Project/PO Number: 02-43341-01
Project Manager: John Letteman	Phone Number:
Sampler: Andrew Kirk	Fax Number:

	Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	Lead Method 6010	Digestion Method 3050b	Special Instructions
1	HD-1	Soil	Glass	1	12/14/02	—	X	X	
02	HD-2			1		—	X	X	
03	HD-3			1		—	X	X	
04	HD-4			1		—	X	X	
05	HD-5			1		—	X	X	
06	HD-6			1	↓	—	X	X	
07	HPD-101			1	12/23/02	—	X	X	
08	HPD-102			1		—	X	X	
09	HPD-103			1		—	X	X	
10	HPD-104			1		—	X	X	
11	HPD-105			1		—	X	X	
12	HPD-106			1		—	X	X	
13	HPD-107	↓	↓	1	↓	—	X	X	
14									

Custody Seal Intact? Y N None Temp. 22°
Condition when received Good

Relinquished By:	Date/Time:	Received By:	Date/Time:
Andrew Kirk	12/24/02 1000		12-24-02 1130
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☒ Normal

Sample Integrity: (Check)
- ☐ Intact
- ☐ On Ice

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

NEL LABORATORIES

Corporate Headquarters
6490 S. McCarran Blvd. # D-30
Reno, NV 89509
Phone: 775.348.2522
Fax: 775.348.2546

Las Vegas Laboratory
4208 Arcata Way, Suite A
Las Vegas, NV 89030
Phone: 702.657.1010
Fax: 702.657.1577

Doug Bell
Converse Consultants
731 Pilot Road, Ste. H
Las Vegas, NV 89119

TEL: (702) 269-8336
FAX: (702) 269-8353

RE Project: **City of Henderson** Order No.: **L0306104**

Dear Doug Bell:

NEL Laboratories, Las Vegas received 4 samples on 6/6/03 11:25:00 AM for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications unless noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Michael Salum
Laboratory Director

6/9/2003
Date

Certifications:

Arizona	AZ0518
California	2002
Idaho	Certified
Montana	Certified
Nevada	NV052
New Mexico	Certified

NEL LABORATORIES

NEL Laboratories, Las Vegas

Date: *09-Jun-03*

CLIENT: Converse Consultants
Project: City of Henderson
Lab Order: L0306104

CASE NARRATIVE

Attached are the analytical results for samples in support of the above referenced project.

The samples submitted for this project were not sampled by NEL. Should you have any questions or comments, please feel free to contact our Client Services Department.

Analytical Comments: None.

NEL LABORATORIES

NEL Laboratories, Las Vegas

Date: *09-Jun-03*

CLIENT: Converse Consultants
Project: City of Henderson
Lab Order: L0306104

Lab ID: L0306104-001
Client Sample ID: HD-3A
Collection Date: 6/6/03
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL		**SW6010B**				Analyst: VVG-L
Lead	5400	5.0		mg/Kg	2	6/9/03 11:03:00 AM

Lab ID: L0306104-002
Client Sample ID: PB-1A
Collection Date: 6/6/03
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL		**SW6010B**				Analyst: VVG-L
Lead	73	2.5		mg/Kg	1	6/9/03 10:47:00 AM

Lab ID: L0306104-003
Client Sample ID: HD-6A
Collection Date: 6/6/03
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL		**SW6010B**				Analyst: VVG-L
Lead	2200	2.4		mg/Kg	1	6/9/03 10:53:00 AM

Lab ID: L0306104-004
Client Sample ID: SP-1C
Collection Date: 6/6/03
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL		**SW6010B**				Analyst: VVG-L
Lead	2700	2.5		mg/Kg	1	6/9/03 10:57:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

NEL LABORATORIES

CHAIN OF CUSTODY

NEL Work Order: L0306104

Public Water System (PWS) Number: _____

Las Vegas Laboratory
4208 Arcata Way, Ste. A
N Las Vegas, NV 89030
Phone: 702-657-1010
Fax: 702-657-1577

Reno	800-368-5221
Las Vegas	888-368-3282
Phoenix	888-238-2514
Boise	800-200-2952
Sacramento	800-368-5221
Albuquerque	866-360-5726
Denver	888-900-7477

Project Name: City of Henderson	Project Number: 02-43341-01
Purchase Order Number:	Sampled By: Rob Berkley
NEL Quote No.:	NEL Sales Rep:

Company: Converse Consultants Attention: Doug Bell

Address:

City, State, Zip Code:

Phone Number: Fax Number:

Billing Address Expected Due Date: 6/9

Requested Turnaround: ____ 5-day ____ 2-day X 1-day ____ Other

Sampled Time	Sampled Date	Customer Sample Identification	NEL ID	Total # of Containers	Matrix (Box #1)	See Note #1	Total Lead in Soil	Remarks
	6/6/03	HD-3A		1	SO		X	
	"	PB-1A		1	SO		X	
	"	HD-6A		1	SO		X	
	"	SP-1C		1	SO		X	

Analysis

Note #1:
Enter the number of containers submitted for the indicated Analysis followed by the preservation (see Box #2 below).
Eg: 3A = 3 containers with HCl preservation

Custody Seal intact? Y N None Temp. 36C

Condition when received good

Box #1			
	DW - Drinking Water	SD - Solid	
	WW - Waste Water	AQ - Aqueous	
	OL - Oil/Organic Liquid	A - Air	

Box #2		
	A. HCl	E. Ice Only
	B. HNO_3	F Other _____
	C. H_2SO_4	G. Not Preserved
	D. NaOH	

Relinquished by (Print)	Signature	Date/Time	Received by (Print)	Signature	Date/Time
1 Rob Berkley		6/6/03 1125	Krista Bauman		6-6-03/1125
2					
3					

ORIGINAL

NEL Laboratories, Las Vegas

Sample Receipt Checklist

Client Name CONCON | Date and Time Receive 6/6/03 11:25:00 AM

Work Order Numbe L030610A | Received by KMB-LV

Checklist completed by K Bauman 6/6/03 (Signature / Date) | Reviewed by AF (Initials) 6/9 (Date)

Matrix | Carrier name Courier

Shipping container/cooler in good condition?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b KMB

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____